

iPSC-Derived Organs In Vivo: Challenges and Promise.

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Public Summary:

In this paper, we discuss the clinical potential of generating solid organs from iPSCs using interspecies organogenesis. We describe the challenges and potential solutions in moving this basic research into a clinical treatment for patients.

Scientific Abstract:

Transplanting iPSCs into the embryos of another species can generate functional organs for basic research and translational applications. We discuss forward-looking approaches and address key remaining challenges of generating iPSC-derived human organs in vivo.

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